

**Abstract:**

A portable device is equipped with a broadcasting operating mode in which the broadcasting portable device executes a verbatim memory data image copying to another device or plurality of devices equipped with receiving modes of operation. Single-threaded OS free commands may be utilized to control both the broadcasting and receiving devices during a data copy session. In another aspect, a reprogramming system includes a symbol generator and a reconfigurable device. The symbol generator processes user input data to encode a reprogramming symbol, and the reconfigurable device reads the reprogramming symbol.